VLER DAS LENS Quick Description

1. The Life Event Notification Service (LENS) allows VBA Ratings Specialists, or anyone needing event notifications, to subscribe to, and receive, event notifications
2. Notifications are saved and processed in a queue, increasing notification reliability, as well as speeding up the Disability Benefit Questionnaire (DBQ) adjudication process.
3. LENS implements "publish and subscribe":
   a. a publisher may publish an event notification to a "topic"
   b. a subscriber may receive event notifications for one or more topics.
4. The key to the publication and subscription capability is the "topic"
   a. a named logical channel to which publishers send data and from which subscribers receive event notifications.
   b. Publishers broadcast event notifications to the topic as an Atom feed (i.e. a Rich Site Summary (RSS) feed)
   c. Authorized subscribers of that topic receive the event notification.
   d. Subscribers can get asynchronous notifications of occurrences of events while performing concurrent tasks.
   e. Production and consumption of event notifications do not happen in main flow of control, so interaction does not have to be synchronized.
5. LENS mediates:
   a. the relationship between the publisher and subscriber by:
      i. a service which receives publication requests,
      ii. broadcasts the event notifications to subscribers,
      iii. and enables privileged entities to manage lists of people or applications that are authorized to publish or subscribe.
6. Applications are expected to subscribe to 80 or more topics. Topics include:
   a. "change of address",
   b. "first notice of death"
   c. Other events which are detected by one application and processed by another.
7. Topics can be created / deleted by the owner/administrator of VLER LENS.
8. LENS maintains a history of events for auditing and Guarantee of Service purposes to subscribers.
9. The VLER LENS interacts with Identity Management to ensure that all such data transactions maintain the integrity of personal data associated with individuals.